

Claims

- [c1] WHAT IS CLAIMED IS:
1. An elongated powered toothbrush with a handle on one end and a head on the other end thereof, comprising:
- a face on one side of the head, the face including a first section and a second section;
- the first section being mounted for motion, drivingly connected to a drive assembly and having a first set of bristles extending therefrom;
- the second section being displaced from said first section and hingedly connected to and otherwise spaced apart from a remainder of said head, said second section remaining static when said first section moves and no other external forces are applied to said second section;
- said second section having a second set of bristles extending therefrom;
- whereby, when said second set of tooth bristles are applied to the dentiture said second section yields away therefrom.
- [c2] 2.The powered toothbrush as claimed in claim 1, wherein said first set of bristles is comprised of individual bristles, bristle tufts and/or elastomeric elements.
- [c3] 3.The powered toothbrush as claimed in claim 1, wherein said second set of bristles is comprised of individual bristles, bristle tufts and/or elastomeric elements.
- [c4] 4.The powered toothbrush as claimed in claim 1, wherein said first section contains a block from which said first set of bristles extend.
- [c5] 5.The powered toothbrush as claimed in claim 4, wherein said block is a disk of generally circular cross-section.
- [c6] 6.The powered toothbrush as claimed in claim 1, wherein said second section is comprised of a T-shaped cross-section portion hingedly connected to a C-shaped cross-section portion connected to said head, the descending portion of said T being flexible.
- [c7] 7.The powered toothbrush as claimed in claim 1, wherein said second section is

comprised of a V-shape cross-section portion hingedly connected to a C-shape cross-section portion connected to said head.

[c8] 8.The powered toothbrush as claimed in claim 1, wherein said second section is made of polypropylene material.

[c9] 9.The powered toothbrush as claimed in claim 1, wherein said second section is made of elastomeric material.

[c10] 10.The powered toothbrush as claimed in claim 1, wherein said second section is made of composite material comprising polypropylene and elastomer.

[c11] 11.The powered toothbrush as claimed in claim 1, wherein the second section is hingedly connected to a remainder of said head by a hinge of sufficient thickness to prevent any vibrations or spurious resonance from moving said second section when said first section oscillates or rotates.

[c12] 12.The powered toothbrush as claimed in claim 1, wherein the movement of said first section is selected from the group consisting of rotation, rotational oscillation, vibration, translation, lateral, and any combination thereof.

[c13] 13.The powered toothbrush as claimed in claim 1, wherein said first and second sets of bristles are of different heights.

[c14] 14.The powered toothbrush as claimed in claim 1, wherein said first set of bristles has elements of different heights with respect to each other.

[c15] 15.The powered toothbrush as claimed in claim 1, wherein said first and second sets of bristles are of different inclinations.

[c16] 16.The powered toothbrush as claimed in claim 1, wherein said second set of bristles has elements of different inclinations with respect to each other.

[c17] 17.The powered toothbrush as claimed in claim 1, wherein said first section is located more distal from the brush handle than said second section.

[c18] 18.The powered toothbrush as claimed in claim 1, wherein the second set of bristles located on the second section are softer than the bristles located on the

[illegible]